

Title (en)
HALIDE SOLID ELECTROLYTE MATERIAL AND BATTERY USING THIS

Title (de)
HALID-FESTELEKTROLYTMATERIAL UND BATTERIE DAMIT

Title (fr)
MATÉRIAU D'ÉLECTROLYTE SOLIDE À BASE D'HALOGÉNURE ET BATTERIE L'UTILISANT

Publication
EP 3863027 A1 20210811 (EN)

Application
EP 19869082 A 20190725

Priority
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• JP 2019029125 W 20190725

Abstract (en)
A halide solid electrolyte material according to the present disclosure is represented by the chemical formula $\text{Li}_{6-4b+2ab}(\text{Zr}_{1-a}/\text{M}_a\text{X}_b)_6$ (I), wherein M denotes at least one element selected from the group consisting of Mg, Ca, Sr, Ba, and Zn, X denotes a halogen element, and two mathematical formulae $0 < a < 1$ and $0 < b < 1.5$ are satisfied.

IPC 8 full level
H01B 1/06 (2006.01); **H01M 4/62** (2006.01); **H01M 10/052** (2010.01)

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